

NuMega Resonance Labs

Fast Reliable Services

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NuMega Reference #

2503brom.149b

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Bromantane
 PO box 17063
 Sarasota, FL

#N/A

Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

Sample ID

LGD4033

Standard

Ethylene Carbonate

Weight of Standard (wt_{st})

1.342

Weight of Sample (wt_{sa})

12.428

Assumed Sample Molecular Weight (MW_{sa})

338.25

Standard Molecular Weight (MW_{st})

88.06

Integration of Sample (I_{sa})

60.36

Integration of Standard (I_{st})

100

of Equivalent Nuclei in Standard (n_{st})

4

of Equivalent Nuclei in Sample (n_{sa})

1

Assigned Purity of Standard % (P)

99.71

Purity %

99.9%

Formula Used for Calculation:

$$WT\% = \frac{wt_{st}}{wt_{sa}} \times \frac{MW_{sa}}{MW_{st}} \times \frac{I_{sa}}{I_{st}} \times \frac{n_{st}}{n_{sa}} \times P$$